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Attorney's Docket No.: 14074-007001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert S. Whitehouse  
Serial No. : 10/783,958  
Filed : February 20, 2004  
Title : PHA ADHESIVE COMPOSITIONS  
Art Unit : 1775  
Examiner : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit references AY-AQQQ listed on the attached form PTO-1449.

Reference "AZ" is a non-English language document. Pursuant to MPEP § 609, Applicants submit an English language abstract corresponding to U.S. Patent 5,821,297 (an English language equivalent patent document) to fulfill the requirement for a concise explanation of relevance for non-English language document "AZ." References "ABB" and "ACC" also are non-English language documents. Pursuant to MPEP § 609, Applicants submit English language abstracts to fulfill the requirement for a concise explanation of relevance for non-English language documents "ABB" and "ACC."

Applicants submit a copy of commonly owned, copending United States Application entitled "PHA Blends," filed on February 20, 2004 and assigned Serial No.: 10/783,995.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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June 22, 2004

Denise A. Rose

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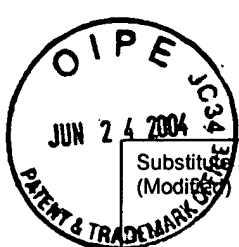
This statement is being filed before the receipt of a first Office action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney  
Docket Number 14074-014001.

Respectfully submitted,

Date: June 22, 2004

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14074-007001	Application No. 10/783,958
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant <b>Robert S. Whitehouse</b>	
		Filing Date <b>February 20, 2004</b>	Group Art Unit <b>1775</b>

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	US 2002/0068810	06/06/2002	Whitehouse et al.			
	AB	Re. 36,548	02/01/2000	Noda			
	AC	4,804,691	02/14/1989	English et al.			
	AD	5,169,889	12/08/1992	Kauffman et al.			
	AE	5,252,646	10/12/1993	Iovine et al.			
	AF	5,312,850	05/17/1994	Iovine et al.			
	AG	5,387,623	02/07/1995	Ryan et al.			
	AH	5,502,116	03/26/1996	Noda			
	AI	5,536,564	07/16/1996	Noda			
	AJ	5,614,576	03/25/1997	Rutherford et al.			
	AK	5,656,367	08/12/1997	Iovine et al.			
	AL	5,658,646	08/19/1997	Takano et al.			
	AM	5,700,344	12/23/1997	Edgington et al.			
	AN	5,711,842	01/27/1998	Kemmish			
	AO	5,753,364	05/19/1998	Rutherford et al.			
	AP	5,753,724	05/19/1998	Edgington et al.			
	AQ	5,853,876	12/29/1998	Takano et al.			
	AR	5,952,405	09/14/1999	Schoenberg et al.			
	AS	6,086,997	07/11/2000	Patel et al.			
	AT	6,290,803	09/18/2001	Maksymkiw et al.			
	AU	6,306,904	10/23/2001	Gordziel			
	AV	6,307,003	10/23/2001	Grigat et al.			
	AW	6,319,352	11/20/2001	Simmmler et al.			
	AX	6,365,680	04/02/2002	Edgington et al.			

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AY	0 609 713 A1	08/10/1994	Europe				
	AZ	DE 9304018 (Abstract Only)	10/13/1998	Germany				
	AAA	GB 2 136 003 A	09/12/1984	United Kingdom				
	ABB	JP 57030776 (Abstract Only)	02/19/1982	Japan				
	ACC	JP 83046277 (Abstract Only)	10/15/1983	Japan				
	ADD	WO 95/02649	01/26/1995	WIPO				
	AEE	WO 01/15671 A2	03/08/2001	WIPO				
	AFF	WO 02/05581 A2	07/18/2002	WIPO				
	AGG	WO 02/05581 A3	07/18/2002	WIPO				

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AHH	Avella et al., "Poly(3-hydroxybutyrate)/poly(methyleneoxide) blends: thermal, crystallization and mechanical behaviour", <u>Polymer</u> , Vol. 38, No. 25, pp. 6135-6143 (1997)
	AII	Blümm et al., "Miscibility, crystallization and melting of poly(3-hydroxybutyrate)/poly(L-lactide) blends", <u>Polymer</u> , Vol. 36, No. 21, pp. 4077-4081 (1995)
	AJJ	Chen et al., "Miscibility and morphology of blends of poly(3-hydroxybutyrate) and poly(vinyl butyral)", <u>Polymer</u> , Vol. 42, pp. 8407-8414 (2001)
	AKK	Chiu et al., "Crystallization induced microstructure of crystalline/crystalline poly(vinylidene fluoride)/poly(3-hydroxybutyrate) blends probed by small angle X-ray scattering", <u>Polymer</u> , Vol. 42, pp. 5749-5754 (2001)
	ALL	Choe et al., "Miscibility of poly(3-hydroxybutyrate-co-3hydroxyvalerate) and poly(vinyl chloride) blends", <u>Polymer</u> , Vol. 36, No. 26, pp. 4977-4982 (1995)
	AMM	Chun et al., "Thermal properties of poly(hydroxybutyrate-co-hydroxyvalerate) and poly(ε-caprolactone) blends", <u>Polymer</u> , Vol. 41, pp. 2305-2308 (2000)
	ANN	Class et al., "The Viscoelastic Properties of Rubber-Resin Blends. I. The Effect of Resin Structure", <u>J. Appl. Poly Sci.</u> , Vol. 30, No. 2, pp. 805-814 (1985)
	AOO	Class et al., "The Viscoelastic Properties of Rubber-Resin Blends. II. The Effect of Resin Molecular Weight", <u>J. Appl. Poly Sci.</u> , Vol. 30, No. 2, pp. 815-824 (1985)
	APP	Class et al., "The Viscoelastic Properties of Rubber-Resin Blends. III. The Effect of Resin Concentration", <u>J. Appl. Poly Sci.</u> , Vol. 30, No. 2, pp. 825-842 (1985)
	AQQ	Fujita et al., "Miscibility Between Natural Rubber and Tackifiers. I. Phase Diagrams of the Blends of Natural Rubber with Rosin and Terpene Resins", <u>J. Appl. Poly Sci.</u> , Vol. 64, No. 11, pp. 2191-2197 (1997)

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	ARR	Fujita et al., "Effects of Miscibility on Probe Tack of Natural-Rubber-Based Pressure-Sensitive Adhesives", <u>J. Appl. Poly Sci.</u> , Vol. 70, No. 4, pp. 771-776 (1998)
	ASS	Fujita et al., "Effects of Miscibility on Peel Strength of Natural-Rubber-Based Pressure-Sensitive Adhesives", <u>J. Appl. Poly Sci.</u> , Vol. 70, No. 4, pp. 777-784 (1998)
	ATT	Goh et al., "A completely miscible ternary blend system of poly(3-hydroxybutyrate), poly(ethylene oxide) and polyepichlorohydrin", <u>Polymer</u> , Vol. 40, pp. 5733-5735 (1999)
	AUU	Hay et al., "Crystallisation of poly(3-hydroxybutyrate)/polyvinyl acetate blends", <u>Polymer</u> , Vol. 41, pp. 5749-5757 (2000)
	AVV	Hobbs et al., "The effect of water on the crystallization of thin films of poly(hydroxybutyrate)", <u>Polymer</u> , Vol. 38, No. 15, pp. 3879-3883 (1997)
	AWW	Iriondo et al., "Thermal and infra-red spectroscopic investigations of a miscible blend composed of poly(vinyl phenol) and poly(hydroxybutyrate)", <u>Polymer</u> , Vol. 36, No. 16, pp. 3235-3237 (1995)
	AXX	Iwata, "Role of entanglement in crystalline polymers 1. Basic theory", <u>Polymer</u> , Vol. 43, pp. 6609-6626 (2002)
	AYY	Kim et al., "Miscibility and Peel Strength of Acrylic Pressure-Sensitive Adhesives: Acrylic Copolymer-Tackifier Resin Systems", <u>J. Appl. Poly Sci.</u> , Vol. 56, No. 2, pp. 201-209 (1995)
	AZZ	Luo et al., "The effect of molecular weight on the lamellar structure, thermal and mechanical properties of poly(hydroxybutyrate-co-hydroxyvalerates)", <u>Polymer</u> , Vol. 43, pp. 4159-4166 (2002)
	AAAA	Maekawa et al., "Miscibility and tensile properties of poly ( $\beta$ -hydroxybutyrate)-cellulose propionate blends", <u>Polymer</u> , Vol. 40, pp. 1501-1505 (1999)
	ABBB	McNally et al., "Polyamide-12 layered silicate nanocomposites by melt blending", <u>Polymer</u> , Vol. 44, pp. 2761-2772 (2003)
	ACCC	Miguel et al., "Blends of bacterial poly(3-hydroxybutyrate) with synthetic poly(3-hydroxybutyrate) and poly(epichlorohydrin): transport properties of carbon dioxide and water vapour", <u>Polymer</u> , Vol. 42, pp. 953-962 (2001)
	ADDD	Mizumachi et al., "Theory of Tack of Pressure-Sensitive Adhesive. II", <u>J. Appl. Poly Sci.</u> , Vol. 37, No. 11, pp. 3097-3104 (1989)
	AEEE	Nakajima et al., Rheology, Composition, and Peel-Mechanism of Block Copolymer-Tackifier-Based Pressure Sensitive Adhesives", <u>J. Appl. Poly Sci.</u> , Vol. 44, No. 8, pp. 1437-1456 (1992)
	AFFF	Ohkoshi et al., "Miscibility and solid-state structures for blends of poly[(S)-lactide] with atactic poly[(R,S)-3-hydroxybutyrate]", <u>Polymer</u> , Vol. 41, pp. 5985-5992 (2000)
	AGGG	Paul et al., "New nanocomposite materials based on plasticized poly(L-lactide) and organo-modified montmorillonites: thermal and morphological study", <u>Polymer</u> , Vol. 44, pp. 443-450 (2003)
	AHHH	Qiu et al., "Melting behaviour of poly(butylenes succinate) in miscible blends with poly(ethylene oxide)", <u>Polymer</u> , Vol. 44, pp. 3095-3099 (2003)
	AIII	Qiu et al., "Miscibility and crystallization of poly(ethylene oxide) and poly( $\epsilon$ -caprolactone) blends", <u>Polymer</u> , Vol. 44, pp. 3101-3106 (2003)
	AJJJ	Qiu et al., "Poly (hydroxybutyrate)/poly(butylenes succinate) blends: miscibility and nonisothermal crystallization", <u>Polymer</u> , Vol. 44, pp. 2503-2508 (2003)
	AKKK	Whitehouse R. S. "Contact Adhesives", <u>Critical Reports on Applied Chemistry, Synthetic Adhesives &amp; Sealants</u> , Chapter 1, Volume 16, edited by WC Wake (1987)
	ALLL	Willett et al., "Processing and properties of extruded starch/polymer foams", <u>Polymer</u> , Vol. 43, pp. 5935-5947 (2002)

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	AMMM	Xu et al., "In situ FTIR study on melting and crystallization of polyhydroxyalkanoates", <u>Polymer</u> , Vol. 43, pp. 6893-6899 (2002)
	ANNN	Yoon et al., "Compatibility of poly(3-hydroxybutyrate)/poly(ethylene-co-vinyl acetate) blends", <u>Polymer</u> , Vol. 39, No. 12, pp. 2479-2487 (1998)
	AOOO	Yoshie et al., "Temperature dependence of cocrystallization and phase segregation in blends of poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate)", <u>Polymer</u> , Vol. 42, pp. 8557-8563 (2001)
	APPP	Yuan et al., "Miscibility and transesterification of phenoxy with biodegradable poly(3-hydroxybutyrate)", <u>Polymer</u> , Vol. 39., Vol. 10, pp. 1893-1897 (1998)
	AQQQ	Zhang et al., "Miscibility, melting and crystallization behavior of two bacterial polyester/poly(epichlorohydrin-co-ethylene oxide) blend systems", <u>Polymer</u> , vol. 41, pp. 1429-1439 (2000)

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